



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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January 22, 2003

TO: Minerals File

FROM: Paul Baker, Senior Reclamation Biologist 

RE: Site Inspection, Neil Bradshaw, Bright # 1 and 2, S/021/030, Iron County, Utah

Date of Inspection: January 16, 2003  
Time of Inspection: 4:30 to 5:00 p.m.  
Conditions: Cloudy, 40's  
Participants: Tom Munson and Paul Baker, DOGM

## Purpose of Inspection:

The Division is currently reviewing a Notice of Intention to Commence Large Mining Operations for this mine, and we wanted to become familiar with the site.

## Getting to the site:

The mine is just south of SR 56 about six miles west of Beryl Junction. There is a hill south of the road called "The Point." Just east of The Point is a good dirt road that you follow south then west for about ¼ mile to the north quarry and processing area. The road continues around another hill where there is another quarry and processing area.

## Observations:

The areas being mined are low hills where there are some rock outcrops. The operator has developed processing areas in flatter places adjacent to the quarries (Photo 1). The processing areas are excavated about one to two feet compared to surrounding areas.

From what we could see, it appeared the quarry areas have between zero and about four inches of soil. The operator has been salvaging just about all the available soil in these areas.

There is at least four to six inches of actual topsoil available in the processing areas with additional subsoil that could be salvaged as well (Photo 2). Although there are some soil stockpiles around the processing areas, it does not appear the operator has been salvaging all available topsoil. In addition to the topsoil, there is subsoil that could be salvaged to make up for potential deficits in the quarry areas.

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Neil Bradshaw/Bright #1 and 2

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S/021/030

The only equipment on site was a front end loader. I was very impressed with how cleanly the operation is being run. We saw no trash or scrap equipment, and even the material stockpiles are neat (Photo 3).

The operator has proposed a soil borrow area south and west of the south processing area shown in Photo 3. This borrow area is a little lower than the processing area, and I expect it would have deeper and more developed soils.

I did not look real closely at vegetation in surrounding areas, but two of the dominant species were Wyoming big sage and galleta.

### **Conclusions and Recommendations:**

Our primary concern is with the amount of soil that has been salvaged from the processing areas. Any expansion of these areas should definitely include a soil survey to determine how much soil to save. Some information about the material on the floor of the pads would also be useful since this material will probably be needed as a subsoil in reclamation.

The operator should continue to salvage and protect as much soil as possible from the quarries.

jb

cc: Ed Ginouves, BLM

Neil Bradshaw, operator

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**ATTACHMENT**

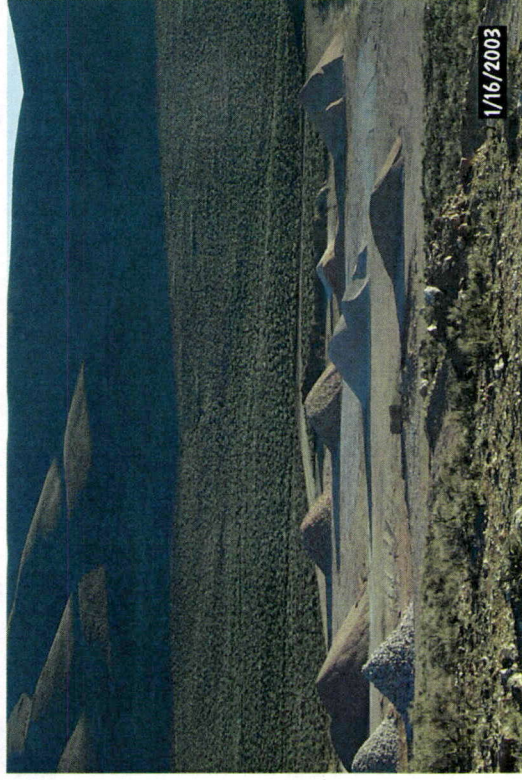
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**Photographs**

**S/021/030, Bright #1 and 2, Neil Bradshaw**



**Photo 1. North quarry and processing area. Area proposed for future quarrying is in the foreground on the extreme right of this photo.**



**Photo 3. South processing area.**



**Photo 2. Edge of the north processing area. One can see three soil horizons in this photo. In the upper right are what appear to be two soil stockpiles.**